

# Morbidity and Mortality

Weekly  
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE

Prepared by the **COMMUNICABLE DISEASE CENTER** 634-5131

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ATLANTA, GEORGIA 30333

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED OCTOBER 26, 1963

**POLIOMYELITIS** - Ten cases of poliomyelitis, all paralytic, were reported for the week ending October 26. Two cases each were reported from Connecticut, New Jersey, and Pennsylvania. Single cases were reported from Illinois, Wisconsin, South Carolina, and Florida.

The 10 cases bring the total thus far in 1963 to 352 cases (301 of which have been paralytic). This total figure remains well under one-half the number reported last year. Nineteen hundred and sixty-two represented the fewest cases of poliomyelitis ever recorded in the United States.

## POLIOMYELITIS (CUMULATED WEEKLY) 1ST THROUGH 43RD WEEK

	1963	1962	1961	1960	1959
Paralytic	301	574	741	1932	4908
Total	352	724	1142	2798	7491
<b>POLIOMYELITIS (SIX WEEK TOTALS) 38TH THROUGH 43RD WEEK</b>					
Paralytic	75	158	224	620	1453
Total	90	188	362	890	2017

## EPIDEMIOLOGICAL REPORTS

### Batulism - Canned Liver Paste - Canada and U.S.A.-

Three cases of type B botulism, including one death, all related to ingestion of a commercially canned liver paste, were reported from Montreal, Canada, for the week ending October 26. All victims had consumed Paragon label canned liver paste, processed by Delicious Food Products, Ltd., Montreal.

Shipments of this same product were made to the United States, to distributors in Elmhurst, New York, and Union, New Jersey. The New York shipment bore the Paragon label, while the New Jersey shipment carried the Epicure Club label. From these two distributors, shipments were made throughout the United States. The Food and Drug Administration and State and local health authorities have now accounted for most cans in commercial channels.

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous week)

Disease	43rd Week			Cumulative		
	Ended	Ended	Median	First	43 weeks	Median
	October 26, 1963	October 27, 1962	1958 - 1962	1963	1962	1958 - 1962
Aseptic meningitis.....	49	64	---	1,538	2,161	---
Brucellosis.....	8	6	9	311	343	616
Diphtheria.....	9	18	24	215	366	532
Encephalitis, infectious.....	26	35	49	1,307	1,576	1,578
Hepatitis, infectious and serum...	841	970	863	35,923	45,517	31,455
Measles.....	1,207	1,708	1,536	363,931	449,640	402,004
Meningococcal infections.....	51	32	36	1,990	1,777	1,879
Poliomyelitis, total.....	10	22	118	352	724	2,805
Paralytic.....	10	20	81	301	574	1,924
Nonparalytic.....	-	1	19	35	107	590
Unspecified.....	-	1	18	16	43	291
Streptococcal sore throat and Scarlet fever.....	5,146	5,019	---	279,132	259,004	---
Tetanus.....	4	8	---	225	238	---
Tularemia.....	6	2	---	245	241	---
Typhoid fever.....	5	10	25	451	520	701
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	4	---	170	209	---
Rabies in Animals.....	54	44	45	3,137	3,121	3,121

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum. 4		Cum. 67
Anthrax:	34	Psittacosis:	1
Botulism:	83	Rabies in Man:	-
Malaria: Colo. - 1	-	Smallpox:	-
Plague:	-	Typhus, murine:	24

No cases of botulism, related to this product, have been reported in the United States, as of noon Wednesday, October 30.

In the Montreal outbreak, 2 of the cases were brothers, who made sandwiches from a can of the liver paste. The elder, a 17-year-old, consumed 3 sandwiches while his 16-year-old brother had but a few bites of another sandwich for supper on October 19.

The following day, the elder brother, who consumed the greater quantity, experienced numbness of his mouth, dizziness, diplopia, urinary retention, and weakness to the point that he was unable to walk. He retired for the evening and was found dead in bed the next morning, about 36 hours following the meal.

Early the morning of his brother's death, the younger victim began experiencing diarrhea, dizziness, and diplopia. He was immediately hospitalized and treated with bivalent antitoxin. He has since recovered uneventfully.

The can providing the liver paste for their sandwiches had been discarded and could not be located. However, *Clostridium botulinum* type B was demonstrated in remaining portions of the sandwiches.

Following Canadian publicity of the outbreak, it was learned that a 17-year-old male had been treated in Montreal with bivalent antitoxin September 2 for a case of diagnosed botulism. This patient had experienced headache, nausea, vomiting, dysphonia, diplopia and respiratory weakness. He was placed in a respirator. He recovered. The vehicle concerned was originally thought to be home preserved strawberry jam; subsequently, Paragon brand liver paste has been implicated.

In addition to the above cases, approximately 25 to 30 others were treated with antitoxin as suspect cases of botulism. They had consumed the same product and had experienced gastrointestinal, but no neurological, symptoms. These have not been officially reported as botulism cases.

No cases of botulism were reported from elsewhere in Canada.

The commercial product was removed from the shelves of the stores in the 6 provinces in which it was offered for sale: Newfoundland, New Brunswick, Nova Scotia, Prince Edward Island, Quebec, and Ontario. Laboratory tests on cans randomly selected from the shelves are in progress.

The processing plant is being investigated by Canadian Food and Drug officials. The plant has had no previous incidents of food poisoning and has allowed voluntary Canadian inspection annually for the past 2 decades.

The liver paste was made from pork liver.

(Reported by Dr. E.W.R. Best, Chief, Epidemiology Division, Department of National Health and Welfare, Ottawa,

Canada and the U.S. Food and Drug Administration.)

**Editor's Note:** The liver paste is the third botulism incident reported in North America this year to involve a commercially processed product. The first was the canned tuna fish (see MMWR, Vol. 12, p. 95) and the second was the smoked whitefish chubs (see MMWR, Vol. 12, pp. 329, 337 and 345).

#### Botulism - Smoked Fish Products - United States

The Food & Drug Administration, acting on the basis of its own findings and on the advice of a special advisory committee on botulism, has recommended the destruction of all products currently on the market which are made from Great Lakes fish or processed in establishments in the Great Lakes region. The FDA made two exceptions, with the provision that the criteria can be established with certainty: "(1) That the fish was heated immediately after it was packaged in a manner that would assure a temperature of at least 180°F. for at least 30 minutes in the coldest part of the fish. Such fish should be marked 'Perishable - Keep Under Refrigeration', or, (2) that the fish was frozen immediately after packaging and has since been maintained continuously in a frozen condition."

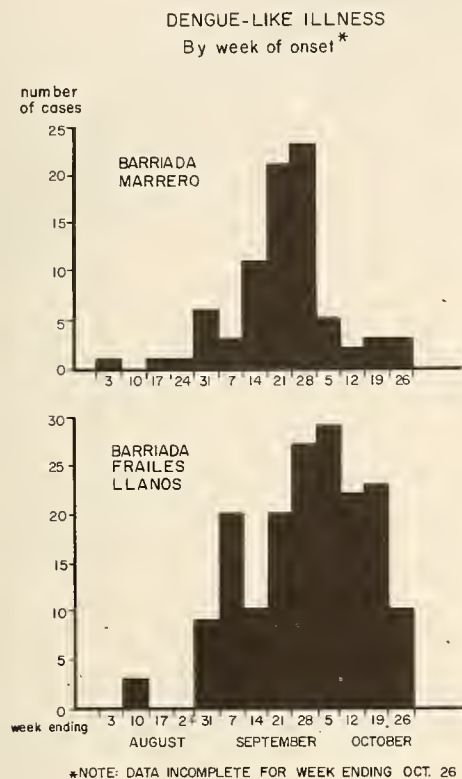
The FDA based its decision on the 3 known outbreaks of Type E botulism which have occurred during the past 3 years from fresh water fish obtained from the Great Lakes, (See MMWR, Vol. 12, pp. 329, 337, and 345), and on subsequent laboratory tests which it performed on such fish under special conditions.

The FDA release stated further: "These outbreaks, including recent findings from the Tennessee and Michigan outbreaks, indicate that *Clostridium botulinum* type E spores are present in the incoming fish, the smoking establishments, or both. Bulk and packaged smoked fish packed by three Michigan firms, held deliberately by FDA laboratories without refrigeration for several days, showed evidence of type E botulinus toxin. . . .

"The organism is capable of germination, growth, and toxin formation at temperatures within the normal refrigeration zone, as low as 38°F., within 31-45 days in one case. Growth and toxin formation has not been reported at 36°F. and below for longer periods. Existing conditions for shipping and handling packaged and bulk smoked fish products do not insure against growth in toxin formation if the organism is present. Freezing of products immediately after processing, and maintaining in the frozen condition until delivered to the consumers, will prevent development of the toxin."

## Dengue-Like Illness - Puerto Rico

During the past week, 543 cases of dengue-like illness were officially reported to the Puerto Rico Department of Health, bringing the 1963 total to 16,771 through October 28.



Intensive day-to-day surveillance continues in Barriada Frailes Llanos and Barriada Marrero in the township of Guaynabo. Attack rates in these population groups are as follows:

Period	Area	Population	Dengue-like Illness	Attack Rate(%)
August 1 - October 29	Guaynabo Township*	898	291	32.4
August 1 - October 23	Barriada Frailes	488	173	35.5
August 1 - October 23	Barriada Marrero	209	80	38.3

\*From morbidity survey conducted on October 29.

The epidemic curves for Barriada Frailes Llanos and Barriada Marrero are shown (left). In one community the incidence of cases dropped abruptly following a peak during the week ending September 28, whereas new cases have continued to occur in the other area.

In addition, the total attack rate for females is significantly higher than the attack rate for males in Barriada Frailes Llanos; there is no significant difference in Barriada Marrero.

(Reported by Victor Gonzales, M.D., Director, Bureau of Health, Puerto Rico Department of Health, and a team from the Communicable Disease Center.)

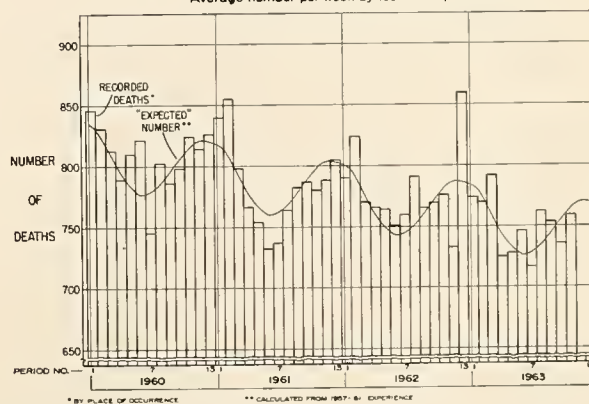
(Continued on page 364)

## INFANT DEATHS IN 108 CITIES

The weekly average number of infant deaths in 108 cities for the four-week period ending October 26 was 759 as compared with an expected weekly average of 764.

## TOTAL DEATHS UNDER ONE YEAR OF AGE IN 108 CITIES

	WEEK ENDING				4 Week Total	Weekly Average
	10/5	10/12	10/19	10/26		
Observed	761	789	717	770	3,037	759
Expected	761	763	765	767	3,056	764
Excess	0	26	-48	3	-19	-5

DEATHS UNDER ONE YEAR OF AGE IN 108 U.S. CITIES  
Average number per week by four-week periods

(See table, page 363)



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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES, UNITED STATES  
FOR WEEKS ENDED

OCTOBER 26, 1963 AND OCTOBER 27, 1962

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	43rd week		Cumulative First 43 weeks		43rd week		Cumulative First 43 weeks		43rd week		43rd week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	10	22	352	724	10	20	301	574	-	1	49	64
NEW ENGLAND.....	2	-	7	7	2	-	7	7	-	-	2	1
Maine.....	-	-	1	-	-	-	1	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	1	-	-	-	1	-	-	-	1	-
Massachusetts.....	-	-	3	6	-	-	3	6	-	-	-	1
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	1	-
Connecticut.....	2	-	2	1	2	-	2	1	-	-	-	-
MIDDLE ATLANTIC.....	4	1	112	74	4	1	89	53	-	-	8	3
New York.....	-	1	8	57	-	1	5	39	-	-	8	1
New Jersey.....	2	-	3	6	2	-	3	6	-	-	-	-
Pennsylvania.....	2	-	101	11	2	-	81	8	-	-	-	2
EAST NORTH CENTRAL.....	2	5	51	101	2	4	41	75	-	-	8	5
Ohio.....	-	1	8	18	-	1	4	16	-	-	2	2
Indiana.....	-	-	4	18	-	-	3	14	-	-	-	-
Illinois.....	1	4	17	45	1	3	16	31	-	-	4	1
Michigan.....	-	-	15	14	-	-	15	11	-	-	2	2
Wisconsin.....	1	-	7	6	1	-	3	3	-	-	-	-
WEST NORTH CENTRAL.....	-	2	5	38	-	2	5	27	-	-	1	5
Minnesota.....	-	-	4	7	-	-	4	7	-	-	1	5
Iowa.....	-	1	-	7	-	1	-	3	-	-	-	-
Missouri.....	-	-	-	10	-	-	-	5	-	-	-	-
North Dakota.....	-	1	-	5	-	1	-	3	-	-	-	-
South Dakota.....	-	-	-	1	-	-	-	1	-	-	-	-
Nebraska.....	-	-	1	8	-	-	1	8	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	2	-	62	56	2	-	53	49	-	-	6	4
Delaware.....	-	-	1	-	-	-	1	-	-	-	1	-
Maryland.....	-	-	3	1	-	-	1	1	-	-	-	-
District of Columbia..	-	-	-	2	-	-	-	1	-	-	-	-
Virginia.....	-	-	18	8	-	-	13	8	-	-	1	1
West Virginia.....	-	-	3	5	-	-	3	5	-	-	1	1
North Carolina.....	-	-	3	10	-	-	3	8	-	-	-	-
South Carolina.....	1	-	7	6	1	-	6	6	-	-	-	-
Georgia.....	-	-	19	14	-	-	18	13	-	-	-	-
Florida.....	1	-	8	10	1	-	8	7	-	-	3	2
EAST SOUTH CENTRAL.....	-	1	64	67	-	1	60	55	-	-	2	4
Kentucky.....	-	-	1	26	-	-	1	20	-	-	1	1
Tennessee.....	-	1	8	10	-	1	8	5	-	-	1	-
Alabama.....	-	-	48	22	-	-	44	22	-	-	-	3
Mississippi.....	-	-	7	9	-	-	7	8	-	-	-	-
WEST SOUTH CENTRAL.....	-	9	25	294	-	8	24	229	-	1	-	7
Arkansas.....	-	2	5	14	-	2	4	14	-	-	-	-
Louisiana.....	-	2	14	24	-	1	14	21	-	1	-	-
Oklahoma.....	-	3	-	20	-	3	-	15	-	-	-	2
Texas.....	-	2	6	236	-	2	6	179	-	-	-	5
MOUNTAIN.....	-	1	5	15	-	1	4	11	-	-	3	3
Montana.....	-	-	-	4	-	-	-	3	-	-	1	-
Idaho.....	-	-	1	2	-	-	1	1	-	-	-	-
Wyoming.....	-	-	-	2	-	-	-	1	-	-	-	-
Colorado.....	-	-	-	2	-	-	-	1	-	-	1	3
New Mexico.....	-	-	1	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	3	3	-	-	3	3	-	-	1	-
Utah.....	-	1	-	2	-	1	-	2	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	-	3	21	72	-	3	18	68	-	-	19	32
Washington.....	-	3	2	5	-	3	2	5	-	-	2	1
Oregon.....	-	-	2	5	-	-	1	5	-	-	-	-
California.....	-	-	17	62	-	-	15	58	-	-	17	31
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	-	5	12	-	-	4	12	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
FOR WEEKS ENDED  
OCTOBER 26, 1963 AND OCTOBER 27, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	43rd week	Cumulative 43 weeks	43rd week	Cumulative 43 weeks	43rd week		43rd week			43rd week		
							Under 20 yr.	20 & over	Total			
1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	8	311	9	215	26	35	432	367	841	970	1,207	1,708
NEW ENGLAND.....	-	1	-	8	-	-	65	44	112	91	88	75
Maine.....	-	-	-	-	-	-	25	11	36	37	4	20
New Hampshire.....	-	-	-	-	-	-	14	6	23	15	-	1
Vermont.....	-	1	-	-	-	-	7	6	13	2	9	10
Massachusetts.....	-	-	-	6	-	-	14	5	19	32	19	25
Rhode Island.....	-	-	-	2	-	-	-	2	2	4	17	1
Connecticut.....	-	-	-	-	-	-	5	14	19	1	39	18
MIDDLE ATLANTIC.....	1	8	-	22	1	7	80	73	153	176	233	129
New York.....	1	4	-	13	1	4	45	49	94	90	118	59
New Jersey.....	-	1	-	4	-	-	12	9	21	33	56	32
Pennsylvania.....	-	3	-	5	-	3	23	15	38	53	59	38
EAST NORTH CENTRAL.....	3	39	1	24	3	3	71	51	126	148	210	524
Ohio.....	-	-	-	1	1	2	10	14	24	40	40	50
Indiana.....	-	6	1	6	-	-	7	4	11	18	24	31
Illinois.....	2	20	-	12	1	-	14	9	24	33	34	39
Michigan.....	-	5	-	3	1	1	40	24	64	50	56	166
Wisconsin.....	1	8	-	2	-	-	-	-	3	7	56	238
WEST NORTH CENTRAL.....	2	166	-	39	3	-	23	13	43	51	36	96
Minnesota.....	-	8	-	15	-	-	1	2	5	18	5	31
Iowa.....	2	124	-	1	-	-	13	7	21	6	18	6
Missouri.....	-	12	-	1	-	-	4	2	6	12	4	6
North Dakota.....	-	-	-	2	-	-	-	1	1	4	8	51
South Dakota.....	-	10	-	12	-	-	-	-	-	1	1	1
Nebraska.....	-	6	-	8	-	-	-	1	3	6	-	1
Kansas.....	-	6	-	-	3	-	5	-	7	4	NN	NN
SOUTH ATLANTIC.....	1	19	1	50	6	2	54	42	97	106	144	94
Delaware.....	-	-	-	-	-	-	-	3	3	-	-	1
Maryland.....	-	-	-	-	-	-	9	7	16	12	19	5
District of Columbia..	-	-	-	1	-	-	-	1	1	1	1	1
Virginia.....	1	9	-	-	-	-	6	4	10	11	48	16
West Virginia.....	-	-	-	1	-	1	13	8	21	20	57	41
North Carolina.....	-	4	-	2	-	1	20	10	30	34	5	11
South Carolina.....	-	-	-	17	-	-	1	-	1	4	4	3
Georgia.....	-	3	-	18	-	-	2	3	5	-	-	1
Florida.....	-	3	1	11	6	-	3	6	10	24	10	15
EAST SOUTH CENTRAL.....	-	13	-	18	3	2	40	21	61	95	78	91
Kentucky.....	-	3	-	-	-	2	9	6	15	27	26	37
Tennessee.....	-	6	-	3	3	-	16	10	26	32	52	52
Alabama.....	-	4	-	12	-	-	11	3	14	15	-	2
Mississippi.....	-	-	-	3	-	-	4	2	6	21	-	-
WEST SOUTH CENTRAL.....	-	35	7	45	-	8	23	25	53	50	64	88
Arkansas.....	-	8	-	2	-	1	1	4	5	7	3	-
Louisiana.....	-	8	6	27	-	-	9	8	19	5	-	1
Oklahoma.....	-	5	-	6	-	1	-	2	2	3	1	-
Texas.....	-	14	1	10	-	6	13	11	27	35	60	87
MOUNTAIN.....	-	9	-	5	2	1	11	9	41	50	87	250
Montana.....	-	-	-	-	-	1	2	2	4	6	55	176
Idaho.....	-	-	-	-	-	-	-	-	14	3	18	20
Wyoming.....	-	1	-	-	-	-	-	1	1	4	-	-
Colorado.....	-	-	-	3	-	-	2	1	6	20	2	26
New Mexico.....	-	-	-	2	1	-	5	3	8	4	NN	NN
Arizona.....	-	3	-	-	1	-	-	-	4	7	6	10
Utah.....	-	5	-	-	-	-	2	2	4	3	6	17
Nevada.....	-	-	-	-	-	-	-	-	-	3	-	1
PACIFIC.....	1	21	-	4	8	12	65	89	155	203	267	361
Washington.....	-	-	-	-	1	2	10	16	26	24	79	105
Oregon.....	-	3	-	-	-	-	3	9	13	15	23	43
California.....	1	17	-	4	7	10	49	61	110	113	101	102
Alaska.....	-	-	-	-	-	-	2	3	5	43	52	91
Hawaii.....	-	1	-	-	-	-	1	-	1	8	12	20
Puerto Rico.....	-	1	-	12	-	-	20	5	25	18	14	12

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES - UNITED STATES  
FOR WEEKS ENDED

OCTOBER 26, 1963 AND OCTOBER 27, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	43rd wk.	Cumulative 43 weeks	43rd week		43rd wk.	43rd wk.	43rd wk.	43rd wk.	Cumulative 43 weeks	43rd week		Cumulative 43 weeks
	1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1962	1963
UNITED STATES....	51	1,990	5,146	5,019	4	-	6	5	451	54	44	3,137
NEW ENGLAND.....	5	124	355	470	-	-	-	-	12	1	1	31
Maine.....	1	18	20	126	-	-	-	-	2	-	1	2
New Hampshire.....	-	4	-	3	-	-	-	-	-	1	-	15
Vermont.....	1	5	16	12	-	-	-	-	1	-	-	13
Massachusetts.....	2	58	60	56	-	-	-	-	6	-	-	1
Rhode Island.....	-	11	24	50	-	-	-	-	-	-	-	-
Connecticut.....	1	28	235	223	-	-	-	-	3	-	-	-
MIDDLE ATLANTIC....	4	272	202	213	-	-	-	-	83	1	6	100
New York.....	1	126	149	107	-	-	-	-	43	1	4	75
New Jersey.....	-	41	21	41	-	-	-	-	5	-	-	-
Pennsylvania.....	3	105	32	65	-	-	-	-	35	-	2	25
EAST NORTH CENTRAL..	8	309	457	370	-	-	-	1	53	5	-	479
Ohio.....	-	80	56	51	-	-	-	1	21	2	-	282
Indiana.....	-	45	99	82	-	-	-	-	7	1	-	44
Illinois.....	-	60	63	58	-	-	-	-	10	1	-	67
Michigan.....	5	92	160	94	-	-	-	-	10	-	-	44
Wisconsin.....	3	32	79	85	-	-	-	-	5	1	-	42
WEST NORTH CENTRAL..	2	122	223	151	1	-	-	1	26	19	15	819
Minnesota.....	1	24	8	6	1	-	-	-	3	10	6	213
Iowa.....	-	7	50	64	-	-	-	-	3	5	7	298
Missouri.....	1	35	19	7	-	-	-	1	16	2	2	138
North Dakota.....	-	13	42	29	-	-	-	-	-	-	-	32
South Dakota.....	-	7	5	-	-	-	-	-	1	-	-	89
Nebraska.....	-	25	-	5	-	-	-	-	1	1	-	29
Kansas.....	-	11	99	40	-	-	-	-	2	1	-	20
SOUTH ATLANTIC.....	6	363	545	439	3	-	1	2	62	11	4	450
Delaware.....	-	4	4	3	-	-	-	-	4	-	-	1
Maryland.....	-	51	29	12	-	-	-	-	11	-	-	1
Dist. of Columbia..	-	6	1	3	-	-	-	-	-	-	-	-
Virginia.....	2	82	160	107	-	-	-	-	8	8	1	172
West Virginia.....	-	19	185	87	-	-	-	-	7	-	2	110
North Carolina.....	3	67	48	25	1	-	-	2	9	-	-	14
South Carolina.....	-	20	42	38	-	-	-	-	4	-	-	9
Georgia.....	1	30	2	3	-	-	-	-	2	3	-	73
Florida.....	-	84	74	161	2	-	1	-	17	-	1	70
EAST SOUTH CENTRAL..	1	140	954	823	-	-	-	-	63	4	4	243
Kentucky.....	-	31	40	68	-	-	-	-	13	1	1	113
Tennessee.....	1	64	864	673	-	-	-	-	24	3	2	112
Alabama.....	-	23	32	13	-	-	-	-	11	-	1	18
Mississippi.....	-	22	18	69	-	-	-	-	15	-	-	-
WEST SOUTH CENTRAL..	5	178	536	422	-	-	3	1	83	9	5	584
Arkansas.....	-	11	-	-	-	-	2	-	32	2	1	72
Louisiana.....	3	74	14	2	-	-	1	-	25	1	2	44
Oklahoma.....	-	31	16	-	-	-	-	1	6	2	1	53
Texas.....	2	62	506	420	-	-	-	-	20	4	1	415
MOUNTAIN.....	7	70	948	1,192	-	-	-	-	16	-	3	124
Montana.....	-	3	76	53	-	-	-	-	-	-	-	-
Idaho.....	-	6	60	105	-	-	-	-	-	-	-	-
Wyoming.....	3	7	81	72	-	-	-	-	-	-	-	-
Colorado.....	1	20	216	370	-	-	-	-	6	-	2	16
New Mexico.....	-	4	309	366	-	-	-	-	3	-	-	37
Arizona.....	1	11	141	81	-	-	-	-	7	-	1	57
Utah.....	2	16	65	143	-	-	-	-	-	-	-	3
Nevada.....	-	3	-	2	-	-	-	-	-	-	-	11
PACIFIC.....	13	412	926	939	-	-	2	-	53	4	6	307
Washington.....	2	34	247	325	-	-	-	-	3	-	-	-
Oregon.....	2	31	12	23	-	-	-	-	2	1	-	12
California.....	9	326	492	575	-	-	-	-	45	3	6	286
Alaska.....	-	12	37	14	-	-	2	-	1	-	-	9
Hawaii.....	-	9	138	2	-	-	-	-	2	-	-	-
Puerto Rico.....	-	8	2	8	-	-	-	-	12	-	-	13

# Morbidity and Mortality Weekly Report

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Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)<sup>o</sup>

Area	For weeks ending				Area	For weeks ending			
	10/5	10/12	10/19	10/26		10/5	10/12	10/19	10/26
<b>NEW ENGLAND:</b>					<b>SOUTH ATLANTIC:</b>				
Boston, Mass.....	13	18	12	13	Atlanta, Ga.....	8	17	9	8
Bridgeport, Conn.....	-	4	5	3	Baltimore, Md.....	26	19	16	36
Cambridge, Mass.....	1	1	-	-	Charlotte, N.C.....	4	1	3	4
Fall River, Mass.....	3	-	2	1	Jacksonville, Fla.....	6	2	4	9
Hartford, Conn.....	3	5	5	4	Miami, Fla.....	4	7	4	5
Lowell, Mass.....	2	3	2	-	Norfolk, Va.....	4	9	4	6*
Lynn, Mass.....	-	1	-	3	Richmond, Va.....	12	8	9	2
New Bedford, Mass.....	-	-	1	1	Savannah, Ga.....	2	2	3	8
New Haven, Conn.....	2	2	2	1	St. Petersburg, Fla.....	5	1	2	3
Providence, R.I.....	7	2	5	6	Tampa, Fla.....	7	3	2	5
Somerville, Mass.....	-	1	1	-	Washington, D.C.....	28	14	8	17
Springfield, Mass.....	-	3	4	3	Wilmington, Del.....	6	1	6	1
Waterbury, Conn.....	3	2	2	1					
Worcester, Mass.....	2	4	-	2	<b>EAST SOUTH CENTRAL:</b>				
<b>MIDDLE ATLANTIC:</b>					Birmingham, Ala.....	6	12	7	4
Albany, N.Y.....	2	1	1	2	Chattanooga, Tenn.....	-	2	6	-
Allentown, Pa.....	2	2	1	2	Knoxville, Tenn.....	3	3	4	1
Buffalo, N.Y.....	12	9	6	8	Louisville, Ky.....	3	7	18	9
Camden, N.J.....	3	7	3	8	Memphis, Tenn.....	15	8	9	11
Elizabeth, N.J.....	2	-	-	2	Mobile, Ala.....	5	7	5	6
Erie, Pa.....	4	4	2	1	Montgomery, Ala.....	2	3	3	-
Jersey City, N.J.....	6	3	7	1	Nashville, Tenn.....	9	9	3	5
Newark, N.J.....	1	6	7	7					
New York City, N.Y.....	87	88	85	117	<b>WEST SOUTH CENTRAL:</b>				
Paterson, N.J.....	1	2	4	3	Austin, Tex.....	1	6	3	2
Philadelphia, Pa.....	30	27	11	39	Baton Rouge, La.....	5	1	2	2
Pittsburgh, Pa.....	12	18	11	7	Corpus Christi, Tex.....	4	5	2	3
Reading, Pa.....	2	-	3	-	Dallas, Tex.....	16	13	7	9
Rochester, N.Y.....	5	8	6	6	El Paso, Tex.....	3	5	7	7
Schenectady, N.Y.....	-	-	1	-	Fort Worth, Tex.....	6	4	5	5
Scranton, Pa.....	-	-	-	3	Houston, Tex.....	17	23	19	14
Syracuse, N.Y.....	1	2	6	5	Little Rock, Ark.....	10	19	5	4
Trenton, N.J.....	7	2	5	4	New Orleans, La.....	13	16	19	16
Utica, N.Y.....	-	1	2	-	Oklahoma City, Okla.....	3	4	6	8
Yonkers, N.Y.....	-	-	1	3	San Antonio, Tex.....	12	5	4	8
<b>EAST NORTH CENTRAL:</b>					Shreveport, La.....	3	5	8	6
Akron, Ohio.....	4	6	2	6	Tulsa, Okla.....	2	4	6	-
Canton, Ohio.....	4	2	2	2*	<b>MOUNTAIN:</b>				
Chicago, Ill.....	49	48	47	45	Albuquerque, N. Mex.....	2	5	2	3
Cincinnati, Ohio.....	6	13	6	9	Colorado Springs, Colo...	-	-	1	2
Cleveland, Ohio.....	4	21	24	15	Denver, Colo.....	21	8	2	5
Columbus, Ohio.....	6	9	16	12	Ogden, Utah.....	-	2	2	-
Dayton, Ohio.....	2	5	6	7	Phoenix, Ariz.....	11	4	11	12
Detroit, Mich.....	25	30	19	11	Pueblo, Colo.....	1	2	1	-
Evansville, Ind.....	2	2	1	1	Salt Lake City, Utah.....	3	4	3	3
Flint, Mich.....	7	2	5	3	Tucson, Ariz.....	6	2	3	4
Fort Wayne, Ind.....	1	3	-	1					
Gary, Ind.....	-	3	2	2	<b>PACIFIC:</b>				
Grand Rapids, Mich.....	2	3	1	5	Berkeley, Calif.....	-	-	2	-
Indianapolis, Ind.....	9	14	9	11	Fresno, Calif.....	4	6	4	1
Madison, Wis.....	3	4	2	2	Glendale, Calif.....	-	1	-	2
Milwaukee, Wis.....	5	5	4	5	Honolulu, Hawaii.....	1	8	6	4
Peoria, Ill.....	2	3	2	2	Long Beach, Calif.....	-	7	4	9
Rockford, Ill.....	2	4	-	5	Los Angeles, Calif.....	41	35	32	29
South Bend, Ind.....	2	1	3	2	Oakland, Calif.....	9	3	4	2
Toledo, Ohio.....	6	6	3	6	Pasadena, Calif.....	-	2	1	2
Youngstown, Ohio.....	1	2	1	4	Portland, Oreg.....	5	5	1	11
<b>WEST NORTH CENTRAL:</b>					Sacramento, Calif.....	2	7	6	4
Des Moines, Iowa.....	3	4	4	1	San Diego, Calif.....	10	7	8	6
Duluth, Minn.....	1	1	-	-	San Francisco, Calif.....	2	6	14	11
Kansas City, Kans.....	7	3	2	4	San Jose, Calif.....	-	-	4	1
Kansas City, Mo.....	9	4	3	9	Seattle, Wash.....	8	3	2	12
Lincoln, Nebr.....	-	1	-	2	Spokane, Wash.....	2	2	2	4
Minneapolis, Minn.....	7	7	9	8	Tacoma, Wash.....	-	3	2	2
Omaha, Nebr.....	5	13	5	2					
St. Louis, Mo.....	16	7	21	12	San Juan, P.R.....	5	2	5	4
St. Paul, Minn.....	3	2	4	8					
Wichita, Kans.....	4	2	7	3					

<sup>o</sup> Current Week Mortality for 108 Selected Cities

4(A) Total Mortality, all ages.....	11,256
4(B) Pneumonia-Influenza Deaths, all ages.....	390
4(C) Total Deaths under 1 Year of Age.....	770
4(D) Total Deaths, Persons 65 years and over.....	6,195

\*Estimate - based on average percent of divisional total.  
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.

CORRECTION: Austin, Texas, week ending 9/21, no infant deaths



### Bot Rabies — North Carolino

Since the first proved rabid bat was discovered in North Carolina in late July, 1963, approximately 100 residents of the State have been placed on an anti-rabies immunization regimen because of definite or probable exposure to bats. Most of the instances represent unprovoked attack by bats upon humans during the daytime hours.

In only 8 instances, however, have bats collected at the site of the attack been shown to be rabid by direct microscopic examination or by the fluorescent antibody technique.

The low incidence of proved bat rabies in the captured, peculiarly behaving bats suggests that another disease may be responsible in many cases. One possibility presently being considered is the effect of insecticides. Further investigation is in progress.

*(Reported by Dr. Jacob Koomen, Assistant Secretary and State Health Director, North Carolina State Board of Health.)*

**Editor's Note:** Since rabies virus is known to occur in salivary glands in animals without being present in their central nervous systems, it is imperative that all *bona fide* bat bites receive post exposure vaccine treatment unless the salivary glands, as well as brain tissues, are specifically examined and found to be negative.

### INTERNATIONAL NOTES

One case of paralytic poliomyelitis was reported in Canada for the week ending October 19. This brings the Canadian total to 92 thus far in 1963.

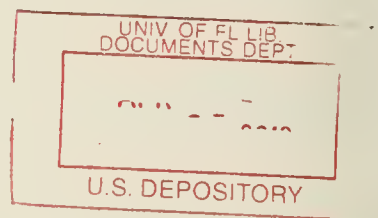
This week's case was reported from Quebec, bringing that province's total to 85 so far in 1963.

For the comparable period in 1962, 52 cases of paralytic polio were reported from Quebec, whereas 87 cases were reported from the entire country. In 1961, for a comparable period, 99 cases of polio were reported in Quebec, and 165 cases throughout Canada.

*(Reported in Weekly Report of Canadian Department of National Health and Welfare.)*

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

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